

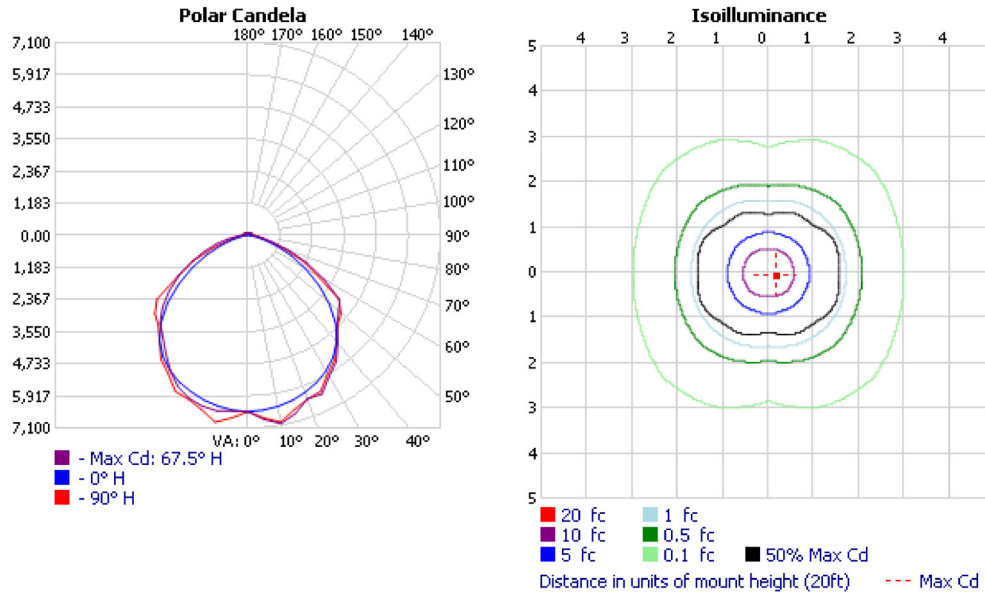
OUTDOOR PHOTOMETRIC REPORT

CATALOG: DATA-8-20LM-ST-840-U10-SM-CA



Manufacturer:	LUX Dynamics
Test #:	n/a
Test Lab:	LIGHT LABORATORY, INC. (www.lightlaboratory.com)
Catalog:	DATA-8-20lm-ST-840-U10-SM-CA
Description:	LED luminaire
Lamp Output:	Total luminaire Lumens: 20457.8, absolute photometry *
Ballast / Driver:	XI085C240V054BST1 / 2
Input Wattage:	138
Luminous Opening:	Rectangle w/Luminous Sides (L: 89.04", W: 2.52", H: 0.96")
Max Cd:	7,037.0 at Horizontal: 67.5°, Vertical: 10°
Roadway Class:	Type VS

No
Photo
Available



*Test based on absolute photometry where lamp lumens=lumens total.

*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

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N/A
VISUAL PHOTOMETRIC TOOL

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Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	5,370.5	26.3%
0-40	8,845.3	43.2%
0-60	15,722.1	76.9%
60-90	3,907.9	19.1%
70-100	1,777.8	8.7%
90-120	506.4	2.5%
0-90	19,630.0	96%
90-180	827.8	4%
0-180	20,457.8	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	639.9	3.1%	90-100	198.3	1%
10-20	1,872.6	9.2%	100-110	163.9	0.8%
20-30	2,858.0	14.0%	110-120	144.2	0.7%
30-40	3,474.8	17.0%	120-130	111.3	0.5%
40-50	3,593.3	17.6%	130-140	77.1	0.4%
50-60	3,283.6	16.1%	140-150	56.0	0.3%
60-70	2,328.4	11.4%	150-160	41.4	0.2%
70-80	1,147.4	5.6%	160-170	26.5	0.1%
80-90	432.1	2.1%	170-180	9.1	0%

Roadway Summary

Distribution:	Type VS
Max Cd, 90 Deg Vert:	293.2
Max Cd, 80 to <90 Deg:	796.5
	Lumens % Lamp
Downward Street Side:	9,874.7 48.3%
Downward House Side:	9,762.5 47.7%
Downward Total:	19,637.3 96%
Upward Street Side:	415.9 2%
Upward House Side:	411.8 2%
Upward Total:	827.7 4%
Total Lumens:	20,465.0 100%

LCS Table

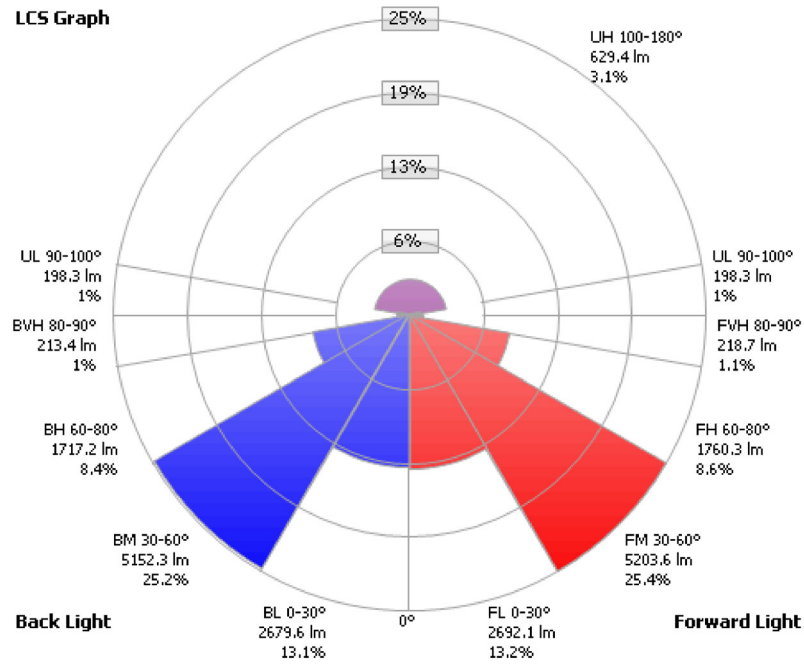
BUG Rating	B4 - U4 - G2	
Forward Light	Lumens	Lumens %
Low(0-30):	2,692.1	13.2%
Medium(30-60):	5,203.6	25.4%
High(60-80):	1,760.3	8.6%
Very High(80-90):	218.7	1.1%
Back Light		
Low(0-30):	2,679.6	13.1%
Medium(30-60):	5,152.3	25.2%
High(60-80):	1,717.2	8.4%
Very High(80-90):	213.4	1%
Uplight		
Low(90-100):	198.3	1%
High(100-180):	629.4	3.1%
Trapped Light:	0.000	0%



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LCS Graph



Scale = Max LCS %

Trapped Light: 0 lm, 0%



Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	6496	6496	6496	6496	6496	6496	6496	6496	6496
5	6464	6512	6728	6804	6750	6798	6728	6496	6466
10	6395	6584	6843	7037	6987	7026	6833	6568	6384
15	6301	6534	6901	6798	6639	6777	6864	6511	6282
20	6159	6428	6561	6408	6424	6388	6501	6381	6129
25	5987	6199	6136	6455	6343	6438	6085	6133	5973
30	5764	5810	6135	5996	5887	5982	6055	5743	5746
35	5480	5355	5843	5680	5588	5663	5816	5282	5463
40	5101	4956	5298	5145	5076	5122	5281	4888	5071
45	4579	4643	4775	4652	4679	4626	4739	4576	4530
50	3920	4203	4121	4370	4482	4331	4093	4116	3865
55	3196	3629	3614	4134	4096	4104	3536	3536	3110
60	2462	3012	3313	3248	2973	3210	3233	2927	2367
65	1767	2355	2788	2412	2251	2392	2748	2275	1670
70	1141	1773	2021	1616	1416	1596	1975	1692	1054
75	635	1260	1336	927	785	912	1301	1201	578
80	307	791	797	545	515	538	776	756	275
85	119	425	466	366	343	362	458	412	103
90	51	246	293	235	210	233	289	242	50
95	56	184	219	180	164	182	219	186	53
100	64	156	190	163	152	164	193	156	61
105	76	167	183	160	150	162	184	166	73
110	90	172	169	157	152	156	169	166	84
115	94	156	169	144	143	144	167	150	84
120	89	136	157	143	142	143	156	129	80
125	82	116	134	140	140	142	133	113	72
130	70	93	116	133	136	133	114	92	63
135	60	80	100	120	126	120	100	79	53
140	61	73	94	110	116	110	94	73	56
145	67	74	90	103	107	103	92	74	59
150	73	77	90	100	104	100	90	79	67
155	79	82	90	97	100	97	90	80	73
160	84	89	92	97	99	96	90	87	79
165	89	94	93	99	99	97	92	92	84
170	93	92	100	99	100	96	97	90	90
175	99	92	92	99	100	96	92	90	96
180	96	96	96	96	96	96	96	96	96

